



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

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Soprema, Inc.
310 Quadral Drive
Wadsworth, OH 44281

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Soprema Waterproofing Systems

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 13-0425.08 and consists of pages 1 through 14.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 14-0603.03
Expiration Date: 09/18/18
Approval Date: 09/25/14
Page 1 of 14

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Waterproofing Systems
Material: SBS
Deck Type: Concrete
Maximum Design Pressure -457.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Colvent TG	39" x 49' (1.5 sq.)	ASTM D6163	Fiberglass reinforced, modified bitumen membrane with 1" wide factory applied heat weldable strips on back side.
Colvent SA	39" x 49' (1.5 sq.)	ASTM D6163	Fiberglass reinforced, modified bitumen membrane with 1" wide factory applied self-adhering strips on back side
Elastophene Sanded	39" x 49' (1½ sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Elastophene Sanded 3.0	39" x 33' (1sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripped.
Elastophene PS	39" x 49' (1½ sq.)	ASTM D6163	Glass reinforced modified bitumen membrane with a plastic burn-off film for heat weld bonding to the top side. Applied in hot asphalt, cold adhesive or ribbon stripping.
Elastophene Flam	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane covered on both sides with a plastic burn-off film. Applied by heat welding.
Elastophene Flam 2.2	39" x 49' (1½ sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane covered on both sides with a plastic burn-off film. Applied by heat welding.
Elastophene 180 Sanded	39" x 49' (1½ sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Elastophene LS FR GR	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants, sanded on the bottom and mineral granules on the top. Applied in hot asphalt, cold adhesive or ribbon stripping.
Elastophene FR GR	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants, sanded on the bottom and mineral granules on the top. Applied in hot asphalt, cold adhesive or ribbon stripping.

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Elastophene Flam LS FR GR	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants, a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding.
Elastophene Flam FR GR	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding.
Elastophene Flam FR+ GR	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding.
Sopralene 180 Sanded	39" x 33' (1 sq.) 39" x 26' (¾ sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Sopralene 250 Sanded	39" x 33' (1 sq.) 39" x 26' (¾ sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Sopralene 180 SP 3.5 mm	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a plastic burn-off film on the bottom and sanded on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Sopralene 180 SP	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a plastic burn-off film on the bottom and sanded on the top
Sopralene 250 SP	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a plastic burn-off film on the bottom and sanded on the top
Sopralene Flam 180	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced SBS modified bitumen membrane, both sides covered with a plastic burn-off film, used as a base/ply. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Sopralene Flam 250	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced SBS modified bitumen membrane, both sides covered with a plastic burn-off film. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Sopralene 180 FR GR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a sanded bottom and a mineral granules top. Applied in hot asphalt, cold applied adhesive or ribbon stripping (after removal of plastic burn-off film).

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Sopralene 250 FR GR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a sanded bottom and a mineral granules top. Applied in hot asphalt, cold applied adhesive or ribbon stripping (after removal of plastic burn-off film).
Sopralene Flam 180 GR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Sopralene Flam 180 FR GR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Sopralene Flam 250 FR GR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Sopralene Flam 180 FR+ GR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Sopralene Flam 250 FR+ GR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Soprastar Flam	39" x 33' (1 sq.)	ASTM D6162	Polyester reinforced SBS modified bitumen membrane with a plastic burn-off film on the bottom side and a reflective white top surface. Applied by heat welding.
Sopralene Stick	39" x 33' (1 sq.)	ASTM D6164	Self-adhered, polyester reinforced membrane with a release film on the bottom and a sanded top.
Sopralene Antirock	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a sanded underside and surfaced with colored granules.
Sopralene Flam Stick	39" x 33' (1 sq.)	ASTM D6164	Self-adhered, polyester reinforced membrane with a release film on the bottom and a plastic burn-off film on the top.
Elastocol 500	various	ASTM D41	Asphalt primer.
Elastocol 600c	various	ASTM D41	Asphalt primer.

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
ALSAN Flashing™	1.25 gallon pail or 3.75 gallon pail	Proprietary	One part polyurethane/bitumen resin, moisture cure compound for use as a flashing component.
Soprawalk	39" x 26' (3/4 sq.)	Proprietary	Non-woven polyester reinforced modified bitumen membrane with a sanded bottom and mineral granules on the top. Applied by hot asphalt, cold adhesive or ribbon stripping.
SopraDrain		Proprietary	Polypropylene roof drain.

APPROVED INSULATIONS:

TABLE 2

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
N/A	N/A	N/A

APPROVED FASTENERS:

TABLE 3

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
1.	N/A	N/A	N/A	N/A

APPROVED SURFACING/COATING OPTIONS:

TABLE 4

<u>System Number</u>	<u>Manufacturer</u>	<u>Application</u>
1.	N/A	N/A

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Exterior Ceramic Tiles	12" x 12" x 1/2"	ASTM C56 & ANSI A137.1	Ceramic plaza deck walking tiles, 5% water absorption max.	Generic
Portland Cement	Various	ANSI A118.1	A thin-set Portland based mortar formulated for ceramic tile installation.	Generic



EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corp.	1W8A1.AM	FM 4470	07/15/93
	1Z3A6.AM	FM 4470	04/27/95
	2D0A0.AM	FM 4470	08/15/97
	3026028	FM 4470	05/25/06
	3028631	FM 4470	08/09/07
	3029098	FM 4470	10/25/07
Underwriters Laboratories, Inc.	R11436	UL 790	06/18/13
Dynatech Engineering Corp.	10.94.27	TAS 114	10/27/94
	2491-04.95	TAS 114	01/04/95
Exterior Research & Design, LLC	2003.02.97-1	TAS 114	02/15/97
	2003-2.04.97-1	TAS 114	04/15/97
	2002.07.97-1	TAS 114	08/15/97
	2755.09.02	TAS 114	10/19/02
	2761.09.03	TAS 114	09/02/03
	2761.10.03-2	TAS 114	10/03/03
	2757.02.05	Physical Properties	02/03/05
Trinity ERD	S6740.11.07	ASTM D6163	11/02/07
	S10950.04.10	Physical Properties	04/06/10
	S11440.06.10	ASTM D4798 & TAS 110	06/01/10
	S11440.01.11-R1	ASTM D6164	06/07/12
	S11440.11.10-4	ASTM D2178	11/17/10
	S11440.11.10-3-R2	ASTM D4601	08/26/14
	S11440.12.10-1-R1	ASTM D6163	06/07/12
	S32700.12.10-R2	ASTM D6162	07/07/14
	S35860.09.12-R1	ASTM D6163	03/14/13
	S35860.12.11-1	ASTM D2178	12/12/11
	S35860.12.11-2	ASTM D4601	12/12/11
	S35860.05.12-1-R2	ASTM D6163	03/14/13
	S35860.05.12-2-R2	ASTM D6164	03/14/13
	S35860.05.12-3-R1	ASTM D6164	03/14/13
	S35010.10.10-R1	TAS 114	08/26/14
	S47170.08.14-1	TAS 114	08/25/14
	S47300.08.14-1	TAS 114	08/19/14
	S47300.08.14-2	TAS 114	08/19/14
	SC5190.08.14	TAS 114	08/19/14
	S43400.08.14-4	ASTM D6163	08/26/14
	S43400.08.14-5	ASTM D6163	08/26/14
	S43400.08.14-6	ASTM D6164	08/26/14
	S43400.08.14-7	ASTM D6164	08/26/14
	S43400.09.14-9	ASTM D6164	09/02/14
	S45890.09.14	Physical Properties	09/02/14
	S44110.08.14-5	ASTM D6164	08/29/14
	S35860.05.12-2-R3	ASTM D6164	08/29/14
	S45010.02.14	ASTM D6506	02/07/14

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Trinity ERD	S32700.12.10-R2	ASTM D6162	07/07/14
	S44220.09.14-7C	ASTM D6164	09/02/14
IRT of S. Florida, Inc.	01-002	TAS 114	01/21/01
ITS / Warnock Hersey		ASTM D5147	05/27/93
PRI Construction Materials Technologies, LLC	SOP-049-02-01	ASTM D1644/D2196	05/31/12
	SOP-043-02-01	ASTM D4601	02/27/12
	SOP-042-02-01	ASTM D4601	02/27/12
	SOP-041-02-01	ASTM D2178	02/27/12
	SOP-040-02-01	ASTM D2178	02/27/12
	SOP-010-02-01.03	TAS-138	07/26/11
	SOP-050-02-01	ASTM D3019	03/04/13
Atlantic & Caribbean Roof Consulting	ACRC# 08-0359	TAS 114	06/20/08

APPROVED APPLICATIONS:

Membrane Type: SBS

Deck Type 3: Concrete Decks, Non-Insulated

Deck Description: Terrace/Plaza Deck

System Type F(1): Membranes applied directly to substrate with Tile surfacing.

All General and System Limitations apply.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants. Substrate shall be smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions.

Primer: Elastocol 500 or ASTM D 41 primer applied to deck at a rate of 100-150 ft²/gal.

Base Sheet: One or more plies of Elastophene Flam or Sopralene Flam 180, 250, heat welded according to manufacturer's application instruction.

Top Sheet: Elastophene Flam LS FR GR, Sopralene Flam 180 GR or Sopralene Antirock, heat welded according to manufacturer's application instruction.

Integrity Test: Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water maybe maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

Surfacing: Exterior grade ceramic plaza deck walking tiles (Minimum size of 12" x 12" and minimum 1/2" thickness) tiles shall be embedded into dry-set Portland Cement applied with a 1/4" square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.

Maximum Design Pressure: -457.5 psf. (See General Limitation #9)

Membrane Type: SBS
Deck Type 3: Concrete Decks, Non-Insulated
Deck Description: Min. 2500 psi, dual slab construction (roof plaza and parking decks)
System Type F(2): Membranes applied directly to primed substrate with concrete surfacing.

All General and System Limitations apply.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants. Substrate shall be smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions.

Primer: Elastocol 500, 600c or ASTM D 41 primer applied to deck at a rate of 100-150 ft²/gal.

Base Sheet: One or more plies of Sopralene Flam 180 or 250, heat welded according to manufacturer's application instruction.

Top Sheet: Sopralene Flam 180 GR, Sopralene Flam 180, 250 FR GR or Sopralene Antirock, heat welded according to manufacturer's application instruction.

Integrity Test: Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water maybe maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

Protection Board and/or Drainage Layer: (Optional) Install drainage board over top ply membrane

Surfacing: Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code.

Maximum Design Pressure: N/A
(Topping concrete slab shall comply with applicable Building Code requirement.)

Membrane Type:	SBS
Deck Type 3:	Concrete Decks, Non-Insulated
Deck Description:	Terrace/Plaza Deck, Planter, Traffic
System Type F(3):	Membranes applied directly to primed substrate.
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	Elastocol 500 or ASTM D41 primer at an application rate of 100-150 ft ² /gallon.
Base Layer:	One layer of Sopralene Stick, Colvent SA, Self-adhered
Primer: (Optional)	Elastocol 500, Elastocol 600c applied at a rate of 1 gal./sq., to top surface of any base or ply sheet prior to application of next layer
Ply Layer: (Optional)	One or more layers of Elastophene Sanded, Elastophene Sanded 3.0 mm, Elastophene PS, Elastophene 180 Sanded, Sopralene 180 Sanded, Sopralene 250 Sanded, applied in asphalt at a rate of 25 lbs./sq. to sand surface base membrane
Top Layer:	One layer of Elastophene LS FR GR, Elastophene FR GR, Sopralene 180 FR GR, Sopralene 250 FR GR, applied in hot asphalt at a rate of 25 lbs./sq.
Integrity Test:	Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards or traffic surfacing. All defects observed shall be corrected.
Surfacing:	None
Maximum Design Pressure:	-240 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3:	Concrete Decks, Non-Insulated
Deck Description:	Terrace/Plaza Deck, Planter, Traffic
System Type F(4):	Membranes applied directly to primed substrate.
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	Elastocol 500 or ASTM D41 primer at an application rate of 100-150 ft ² /gallon.
Base Layer:	One layer of Sopralene Flam Stick*, Sopralene Stick, Colvent SA, Self-adhered *Requires heat welded ply or cap membrane
Primer: (Optional)	Elastocol 500, Elastocol 600c or AquaTac applied at a rate of 1 gal./sq., to top surface of any base or ply sheet prior to application of next layer
Ply Layer: (Optional)	One or more layers of Elastophene Flam*, Elastophene Flam 2.2 mm*, Sopralene Flam 180*, Sopralene Flam 250*, heat welded *Requires heat welded cap membrane.
Top Layer:	One layer of Elastophene Flam LS FR GR, Soprastar Flam, Elastophene Flam FR GR, Elastophene Flam FR+ GR, Sopralene Flam 180 GR, Sopralene Flam 180 FR GR, Sopralene Flam 180 FR+ GR, Sopralene Flam 250 FR GR, Sopralene Flam 250 FR+ GR, heat welded.
Integrity Test:	Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards or traffic surfacing. All defects observed shall be corrected.
Surfacing:	None
Maximum Design Pressure:	-270 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3:	Concrete Decks, Non-Insulated
Deck Description:	Terrace/Plaza Deck, Planter, Traffic
System Type F(5):	Membranes applied directly to primed substrate.
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	Elastocol 500 or ASTM D41 primer at an application rate of 100-150 ft ² /gallon.
Base Layer:	One layer of Colvent TG is heat welded
Primer: (Optional)	Elastocol 500, Elastocol 600c applied at a rate of 1 gal./sq., to top surface of any base or ply sheet prior to application of next layer
Ply Layer: (Optional)	One or more layers of Elastophene Sanded, Elastophene Sanded 3.0 mm, Elastophene 180 Sanded, Sopralene 180 Sanded, Sopralene 250 Sanded, applied in asphalt at a rate of 25 lbs./sq. to sand surfaced base membrane.
Top Layer:	One layer of Elastophene LS FR GR, Elastophene FR GR, Sopralene 180 FR GR, Sopralene 250 FR GR applied in asphalt at a rate of 25 lbs./sq. to sand surfaced base or ply membrane.
Integrity Test:	Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards or traffic surfacing. All defects observed shall be corrected.
Surfacing:	None
Maximum Design Pressure:	-262.5 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3:	Concrete Decks, Non-Insulated
Deck Description:	Terrace/Plaza Deck, Planter, Traffic
System Type F(6):	Membranes applied directly to primed substrate.
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	Elastocol 500 or ASTM D41 primer at an application rate of 100-150 ft ² /gallon.
Base Layer:	One layer of Colvent TG is heat welded
Primer: (Optional)	Elastocol 500, Elastocol 600c applied at a rate of 1 gal./sq., to top surface of any base or ply sheet prior to application of next layer
Ply Layer: (Optional)	One or more layers of Elastophene Flam, Elastophene Flam 2.2 mm, Elastophene SP, Elastophene 180 SP, Sopralene Flam 180, Sopralene 180 SP, Sopralene 180 SP 3.5 mm, Sopralene Flam 250, Sopralene 250 SP, heat welded
Top Layer:	One layer Elastophene Flam LS FR GR, Soprastar Flam, Elastophene Flam FR GR, Elastophene Flam FR+ GR, Sopralene Flam 180 GR, Sopralene Flam 180 FR GR, Sopralene Flam 180 FR+ GR, Sopralene Flam 250 FR GR, Sopralene Flam 250 FR+ GR, heat welded
Integrity Test:	Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards or traffic surfacing. All defects observed shall be corrected.
Surfacing:	None
Maximum Design Pressure:	-292.5 psf. (See General Limitation #9.)

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. All work shall be performed by a Contractor licensed to do roofing/waterproofing and be a Manufacturer Trained 'Qualified Applicator' approved by Soprema. Soprema shall supply a list of approved applicators to the authority having jurisdiction.
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.

Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.

5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. Insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
11. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
12. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.

END OF THIS ACCEPTANCE

